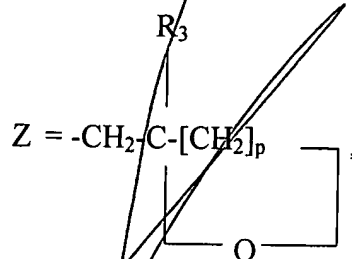


X = a halogen or CH₃,

R₁ = -CH₂-, -C(CH₃)₂-,

R₂ = -OCH₂CH₂-, -OCCH₃HCH₂-, -OCH₂CCH₃H-, -OCH₂CHOHCH₂-,



R₃ = H, C_nH_{2n+1},

n = an integer ≥ 1,

p = 1-4,

m, a, b, c are each individual integers in the range from 0-4.

4. A method as claimed in claim 1, characterized in that the compound is selected from the group formed by 1,2,7,8-diepoxyoctane, 3,4-epoxycyclohexylmethyl-3',4'-epoxycyclohexanecarboxylate, bis(3,4-epoxycyclohexylmethyl)adipate, bis(3,4-epoxy-6-methylcyclohexylmethyl)adipate and C12-C14-alkylglycidylether and the corresponding oxetane compounds thereof, in particular 1,4-bis[(3-ethyl-3-oxetanylmethoxy)methyl]benzene.

5. A method as claimed in claim 1, characterized in that for the reactive diluent use is made of a compound selected from the group formed by butylglycidylether, heptylglycidylether, octylglycidylether, allylglycidylether, p-t-butylphenylglycidylether, phenylglycidylether, cresylglycidylether, diglycidylether of 1,4-butanediol, diglycidylether of neopentylglycol, diglycidylether of polypropeneglycol,

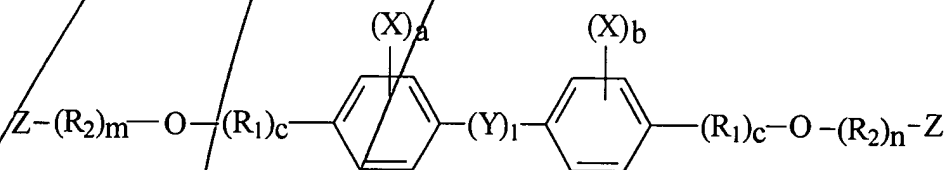
A1

vinylcyclohexanedioxide, diglycidylether of recorcinol, diglycidylether of polypropeneglycol and diglycidylester of linoleic acid dimer and the corresponding oxetane compounds thereof.

A2

8. A replica as claimed in claim 6, characterized in that the replica obtained is an optical component.

10. A replica as claimed in claim 7, characterized in that the compound is represented by the following general formula I:



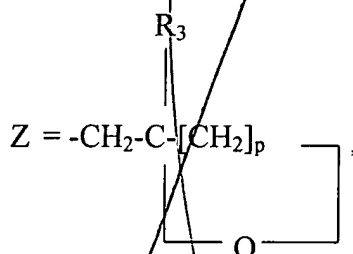
wherein:

Y = -O-, -SO₂-, -CH₂-, -C(CF₃)₂-, -C(CH₃)₂-,

X = a halogen or CH₃,

R₁ = -CH₂-, -C(CH₃)₂-,

R₂ = -OCH₂CH₂-, -OCCH₃HCH₂-, -OCH₂CCH₃H-, -OCH₂CHOHCH₂-,



R₃ = H, C_nH_{2n+1},

n = an integer ≥ 1,

p = 1-4,

m, a, b, c are each individual integers in the range from 0-4.

TELETYPE

Sub B1

11. A replica as claimed in claim 8, characterized in that the compound is selected from the group formed by 1,2,7,8-diepoxyoctane, 3,4-epoxycyclohexylmethyl-3',4'-epoxycyclohexanecarboxylate, bis(3,4-epoxycyclohexylmethyl)adipate, bis(3,4-epoxy-6-methylcyclohexyl-methyl)adipate and C12-C14-alkylglycidylether and the corresponding oxetane compounds thereof, in particular 1,4-bis[(3-ethyl-3-oxetanylmethoxy)methyl]benzene.

12. A replica as claimed in claim 9, characterized in that for the reactive diluent use is made of a compound selected from the group formed by butylglycidylether, heptylglycidylether, octylglycidylether, allylglycidylether, p-t-butylphenylglycidylether, phenylglycidylether, cresylglycidylether, diglycidylether of 1,4-butanediol, diglycidylether of neopentylglycol, diglycidylether of polypropeneglycol, vinylcyclohexanedioxide, diglycidylether of recorcinol, diglycidylether of polypropeneglycol and diglycidylester of linoleic acid dimer and the corresponding oxetane compounds thereof.